

## HANDICRAFT FOR BOYS AND GIRLS

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## A SNOWBALL MORTAR.

## HOW TO COPY PICTURES.

A snowball mortar is a novelty that adds a great deal of sport to a snow battle. The fact that the mortar shown in Fig. 1 is a modified form of the ancient war-engine known as a "ballista," used before the invention of powder and firearms for hurling stones, makes it all the more interesting to make and use.

For modern "war engine," or "snowball mortar," as we call it, is mounted upon a pair of runners, just like a

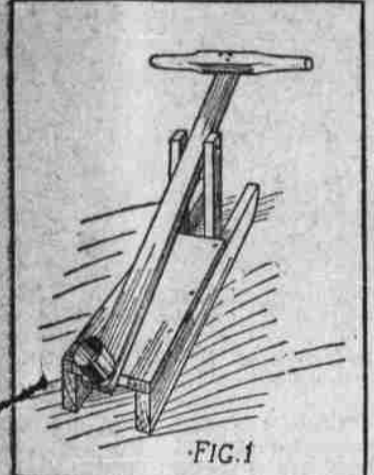
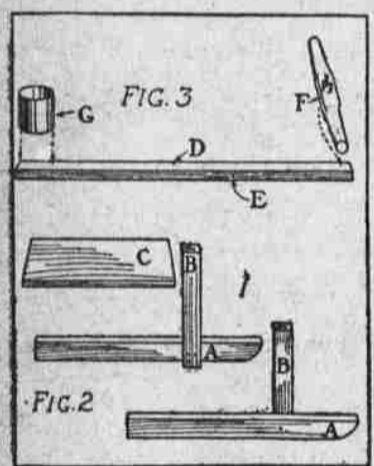


FIG. 1

sled is built, so it may be drawn over the ground quickly. One or two mortars may be entrenched in a snow fort for the use of the defenders, and others may be used by the attacking party to batter away the walls of the fort. With practice you can become expert in handling a snowball mortar, and you will declare this method of hurling snowballs far more fun than that of throwing by hand.

The runners (A, Fig. 2) are made of 2-by-4-inch material, about 4 feet in length. Their bow ends are curved like sled runners, to make them run over the ground easily. Cut the uprights B (Fig. 2) out of 2-by-4-inch material, making them about 24 inches long, and nail them to the sides of the runners, 16 inches from the bow ends, as shown in Fig. 2. Nail them securely, because the connections will be placed under a considerable strain



when the mortar is "fired." The board C (Fig. 2) fastens to the top edges of the runners and holds them at the proper distance apart. It should measure about 12 inches wide, and should extend from the rear ends of the runners close up to the upright pieces B.

The top beam D (Figs. 3 and 4) should measure about 6 feet long and 4 or 5 inches wide. A board 1 inch thick will be better than a heavier piece, because it will be springy and will thus increase the throwing power of the mortar.

Pivot top beam D between uprights B, at a point about 30 inches from one end (E, Fig. 3). To pivot it, drive a long nail through each upright B into the edge of the board. It is necessary to place the nails at exactly the same

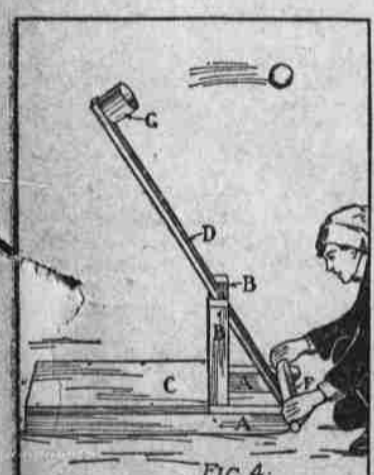


FIG. 3

height and to drive them straight, in order to have the beam swing perfectly. By careful work you will have no difficulty in pivoting the beam.

The handle-bar F (Figs. 3 and 4) should be a piece of 2-by-4-inch material about 30 inches long. The illustrations show the ends of this shaped round to make them easy to grasp. The pocket for snow balls is made out of a tin can. A tomato can will do. Fasten it to the long end of the top beam with several nails driven through the tin bottom.

Figure 1 shows the position of the mortar when ready for loading with a snowball, and Fig. 4 shows how, by pulling the handle-bar forcibly against runners A, the snow ball is hurled forth from its pocket.

**Onions at Their Best.**  
Onions are at their best when boiled whole in milk, or when steamed. When prepared in either of these ways and eaten with bread and butter and cheese they make a satisfying and nutritious meal on which you can do brain work or manual labor.

**His Labor-Saving Device.**  
"Hello, Tom! What's this I hear about your having some labor-saving device?" "It's true, all right. I'm going to marry an heiress."—Boston Transcript.

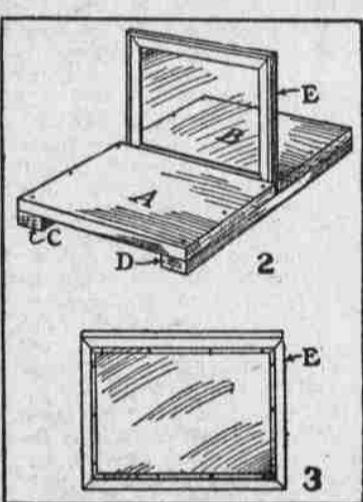
By means of the glass reflecting frame shown in Fig. 1, it is possible to make an exact drawing of any picture that you may wish a copy of, and this apparatus is easily made.

All that you need for the construction are two boards (A and B), two crosspieces (C and D), and a small picture frame with the glass fastened securely in place (E, Figs. 2 and 3). Almost any small-sized picture frame will do, though one that has an opening about eight inches wide and ten



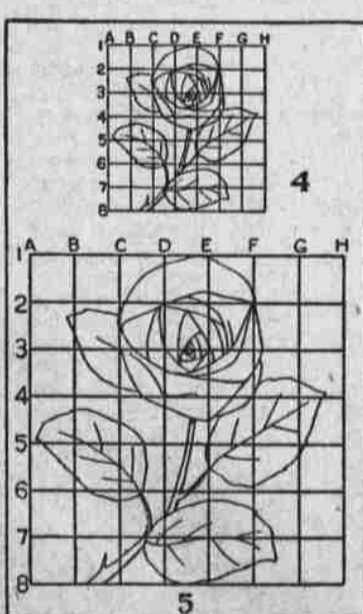
inches long is of the best size if you can get it. The boards A and B should be about one inch longer than the picture frame, and they should be square or nearly square. Place the pieces upon the pair of crosspieces C and D, with the edge of the picture frame slipped between them, as shown, and nail them to the crosspieces.

To make a copy of a picture, place it upon the left-hand side of the frame, and a piece of drawing paper on the right-hand side. Then, standing so that you can look into the left-hand



side of the glass of the frame, you will see the reflection of the picture to be copied, in the glass, and the piece of drawing paper on the other side of the frame will be seen as a background to the reflection of the picture. Keeping the same position, it will be but a simple matter to draw out on the piece of drawing paper each line that you see reflected in the glass.

A very simple and exact method of making a larger or smaller drawing of a picture is that known as "enlarging and reducing by squares." We will suppose that the picture of the rose in Fig. 4 is to be enlarged twice each way, as shown in Fig. 5. With a ruler and pencil, measure off a series



of points across the top of the picture, and another series along one side, spacing them exactly one-half inch apart. Then rule lines from the top to the bottom of the picture, and from side to side, starting each line from one of the points. When the picture has been squared off in this way, mark off a similar series of points along the top and down one side of a sheet of drawing paper, but, instead of one-half inch, space them one inch apart (Fig. 5). Then rule lines up and down and from side to side, in the same way that you did across the original drawing. Letter the ends of the up-and-down lines, and number the ends of the cross lines, so it will be easy to locate corresponding squares on both the small and large drawings.

**Lawyer's Good Thing.**  
"Seems to me that the lawyers have it easy in life." "Why so?" "The rest of us have to surmount our own obstacles. But if a lawyer strikes one, he applies to some judge and has it set aside."—Louisville Courier-Journal.

**Where He Got Them.**  
"I see a number of magazines sent to me about Pikesley's rooms. He must take a great many." "I don't doubt it. In the least, he took four from me last night and I hadn't read one of them."—

## THE EUROPEAN WAR A YEAR AGO THIS WEEK

Jan. 17, 1915.  
Allies took German trenches in Belgium and closed in on Lille. Russians took Kirilbaba pass in Bukovina and pushed along right bank of Vistula.

Germans were pushed back on Piotrk.  
Turkish corps was cut to pieces in the Caucasus.  
Antiwar demonstration in Vienna; Czech editor executed for treason.

Jan. 18, 1915.  
Fierce fighting took place at La Boisselle.  
Germans occupied Kielce and Russians fell back to Radom.  
Piotrk evacuated by the Germans.  
Paris darkened at night by police order.

Jan. 19, 1915.  
French advanced in attempt to cut off St. Mihiel.  
German airships dropped bombs on Y-mouth, King's Lynn, and other English towns, killing four persons.  
French in forest of Le Pretre within ten miles of Metz.  
Austrian army flanked by Russians in Bukovina.

Jan. 20, 1915.  
British troops captured Freylingenhusen.  
Russians drove back Austrians in Hungary and marched on Jacobeni.  
Dutch naval patrol boat sunk by mine, five men drowned.  
Governor of Cracow ordered partial evacuation of the city.

Jan. 21, 1915.  
Germans repulsed in the Ardennes woods by French and Belgians.  
French retook trenches at Notre Dame de Lorette.  
Germans retook the forest of Le Pretre.

Russians renewed their offensive against Miaw.  
Austrians routed Russians from intrenchments along the Donajec.  
German cruiser Karlsruhe reported off Porto Rico.  
Allied airmen dropped bombs on Essen.

Jan. 22, 1915.  
Fierce fighting in Hartmannswellerkopf region.  
New Russian army neared Prussian border.  
Russian invasion of Hungary was halted.  
German submarine sank British Steamer Durward.  
Maj. Gen. Sam Hughes began enlisting third Canadian contingent.  
Russia ordered expulsion of Austrian and German subjects.

Jan. 23, 1915.  
German troops were massed in Hungary.  
Russians made further advance in the north.  
German airmen dropped bombs on Dunkirk.

Mme. Grouitch came to America seeking funds for Serbians.  
Germans renewed their activity near Ypres and bombarded left wing of allies.  
Severe battle in the Argonne region.  
German supply ship was sunk by Australian cruiser.  
Italian vice-consul at Liege dismissed by Germans for aiding Belgians.

## TAKEN FROM EXCHANGES

In Sweden a mile is 11,690 yards.  
Scotland has the longest bridge in the world—the Tay, two miles and 70 yards in length.

It is said that a humming bird when stripped of its feathers is no larger than a bumble bee.

A duster made of cheesecloth, soaked in turpentine and then dried, will accumulate dust instead of scattering it.

The Cape Cod canal is now restricted to boats of less than 18 feet draft, but it will soon be deepened to a 35-foot waterway.

A Russian inventor claims to have perfected a motor that can safely utilize electricity drawn from storm clouds.

A partitioned gray dish has been invented that permits fat gravy to be poured from one side and lean from the other.

The governments of both Denmark and Sweden are investigating a recent discovery of coal on the island of Bornholm, a Danish possession close to the Swedish coast.

So that bicyclists will not have to wear trouser guards a North Carolina has invented a large disk to be attached to the outside of the forward sprocket of a wheel.

The needless infantile death rate owing to neglect and ignorance costs this country \$3,000,000 a day.

One of the famous carillons of Flanders, a magnificent chime of bells, has been transferred to the English village of Cullinstock, where great interest is taken in the frequent concerts for which use is made of them.

The fossil of an elephant that is being excavated from a gravel bed near Chatham, England, is declared to have supported the carcass of an "elephas antiquus" of the early pleistocene period, a puny little runt of a beast but a trifle larger than a mammoth.

Ornamental handkerchiefs formerly were worn in the hat by gentlemen as tokens.

Gypsum, which of late years has been supplanting lime in cement, can hardly be considered a modern building material. Investigations have proved that the pyramid of Cheops was stuck together in place with gypsum dabs of it some 6,000 years ago.

For many years thrown into the sea as worthless, a low grade Cuban maseles is being exported to the United States for increasing quantities for use in road building, distilling and other purposes.

## HAPPENINGS of the week IN MISSOURI

G. W. Stegen, city attorney of Higginsville, recently filed an information charging himself with failure to remove snow from sidewalks in front of property owned by himself, and had himself fined \$6 in police court. Warrants charging twenty-two other citizens with the same offense were issued.

Rowland Thomas, 75 years old, an early settler of Macon county, died at his suburban home near Bevier recently. Mr. Thomas was a mine operator until ill health forced him to retire. He leaves a widow and several children. His son, G. L. Thomas, is mayor of Bevier.

A. E. Tinpane of Chanute, Kas., a traveling man, was given bichloride of mercury at Carthage by his wife, who thought the poison was medicine. Physicians say Tinpane will die.

Mrs. Nancy Bailey of Marshall celebrated her ninety-ninth birthday recently. She has been a resident of Saline county for fifty-five years and a Christian Scientist twenty-six years.

By vote of the members of the Ozark Fruit Growers' Association, in session at Monett, the millions of fruit packages it markets annually will hereafter bear a uniform label, advertising Ozark products. A publicity department was also created.

Mr. and Mrs. W. C. Tresize of Schell City recently celebrated their sixtieth wedding anniversary. Both are very feeble. A dinner was given in their honor. Mr. Tresize is 90 years old and his wife 87.

Cooper county, outside of Boonville, was voted into the dry column by a majority of 275 the other day. Boonville voted to remain wet about a month ago.

Judge Fred Lichte, 73 years old, for twelve years presiding judge of Montgomery county, and an active Republican, died recently.

Dr. H. J. Freeman, the oldest resident of Joplin, is dead. He had lived there sixty years and was 85 years old.

The Rev. R. J. Mathews, 75 years old, pastor of the Congregational church at Bevier, is dead. He had been in the ministry for nearly a half century, occupying parsonages in Pennsylvania, Ohio, Kansas and Missouri. He leaves a widow, a son and a daughter.

Opponents of the cigarette at Columbia received a knockout blow when Judge Samuel Davis of Marshall granted a permanent injunction restraining the city from enforcing the anti-cigarette ordinance passed in October.

At the monthly meeting of the board of managers of State Hospital No. 2, John F. Minor was superseded as steward by Jacob L. Bretz, and Dr. C. M. Kimberlin of Clarksville was appointed assistant physician to take the place of Dr. C. L. Woolsey of Braymer.

S. V. Hinkley, a St. Joseph saloon-keeper, was the victim of a peculiar accident the other day. He was walking along the street when he sneezed. The spasmodic movements of his left side and his condition is dangerous.

The state board of agriculture has re-elected E. G. Bennett of Carthage state dairy commissioner, for a term of four years at an annual salary of \$2,000.

The city council of Maryville has called a local option election for February 4. An election held January 5, 1912, resulted in a wet victory by 55 majority.

Wallace Croesley of Warrensburg, state senator from the Sixteenth district, the other day announced his candidacy for lieutenant governor on the Democratic ticket.

Queenie B., a white Leghorn hen, owned by T. H. Buckingham of St. Joseph, established what is believed to be a world's record in egg laying when she laid two eggs within one hour. The record was made at the Buchanan County Poultry show. One of the eggs has a shell that is soft, but both are normal size. The hen has a record of more than 200 eggs a year. Queenie B. was a year old last September.

A tannery which, when completed, will employ between four thousand and five thousand men, is to be erected at St. Louis by the International Shoe Company. It was announced by officials of that concern recently.

Charles Welborn Knapp, formerly editor and publisher of the St. Louis Republic, who became treasurer of the New York Times Company, January 3, recently died of apoplexy while seated at his desk in the Times office. Less than ten minutes before he had been in conversation with associates and apparently was in the best of health.

In the recent election at Dearborn for granting a franchise for electric light, this proposition carried by about 20 to 1.

The state fair board has been organized with these officers, all elected for four-year terms: Q. W. Arnold, Sedalia, president; E. E. Swink, Farmington, vice president; E. P. Major, Sedalia, secretary; W. W. Barrett, Sedalia, treasurer; E. G. Frylander, Sedalia, superintendent of publicity.

A land congress of northeast Missourians in which the question of reclaiming bottom lands of that section will be the principal subject of discussion is expected to be held sometime within the next few months.

## OUTLAW REVISITS SCENE OF BATTLE

Tom Jones, Survivor of Doolin-Dalton Gang, Revives His Great Fight.

## REFORMED IN PRISON

Finds Town Where Gang Made Headquarters Now Deserted—With One Exception He Is Only Survivor of Famous Band.

Ingalls, Okla.—Tom Jones came back to this little town the other day and saw a lot of ghosts. He was a member of the Dalton gang in the old days, and took part in the fight here between 17 deputy United States marshals and six outlaws. It was a spectacular battle of its kind and touched the high water mark of organized outlawry.

Tom Jones, known as Arkansas Kid, is the only survivor of the bandits in that battle. He served more than seventeen years in the penitentiary for his part of it. He was scarcely twenty years of age when he was captured. Because of the high standing of his family and the fact that he had been an outlaw only a short time he was finally pardoned. He became deeply religious while in prison and has lived an exemplary life since his release. For a number of years he has been a trusted employee of a large corporation.

When the Cherokee Strip was opened to settlement in 1893 the inland town of Ingalls, in eastern Payne county, had hopes of becoming a city.

The outlaw gang headed by Bill Doolin and Bill Dalton passed much of their time at Ingalls.

Place Is Now Deserted.

They had been cowboys on ranches in that part of Oklahoma long before the country was opened to settlement. Many of their old-time friends lived in Ingalls and in the surrounding country. In their home communities the outlaws paid for all they got, respected social amenities, suppressed disorder, helped the poor and the sick, and in most instances were true to their friends. They let it be known, however, that any attempt at their betrayal would be punished by death. So the people were willing to let the outlaws and the deputy marshals fight it out.

Tom Jones shivered when he looked over the deserted townsite of Ingalls. Even the hotel from which he directed his Winchester fire upon the officers was gone—moved to Stillwater, where it is now occupied as a residence.

On that day Tom Jones saw Bill Dalton, Bill Doolin, Blitter Creek (George Newcombe), Dynamite Dick (right name unknown) and Tulsa Jack (Bill Blake), all in their prime. Looking southward toward Wilson creek, at



Curbed Their Plunging, Horses to Fire More Deliberately.

the edge of the town, his fancy still possibly enabled him to see his desperate companions as they curbed their plunging horses to fire more deliberately at the deputy marshals from whose Winchester the white smoke was curling in the streets in Ingalls. The outlaws were escaping, leaving Jones surrounded in the hotel. He never saw them again. In the years that followed they were shot to death one by one.

**Taken by Surprise.**  
Doolin, Dalton and their four companions had been in Ingalls nearly a month when the fight took place. On the day of the fight they were preparing to ride to the Cherokee county and get a large sum of money that had been brought from Washington for a tribal payment. Shrewd as they were, they were surprised by the deputy marshals who went from Guthrie and Stillwater to capture them.

As the toll of the dead and injured was taken after the escape of five of the outlaws, it became apparent that some person friendly to the outlaws had been shooting from an unknown point of vantage. A woman whispered to the officers that she had seen puffs of smoke coming from the roof of the Pierce hotel.

Standing on a table Tom Jones had punched a hole in the shingle with his Winchester. The hotel was northeast of the deputies in the streets. Jones had free range. His friends still deny that he killed any of the officers, and this, with his youth, was offered in his behalf at his trial. At this late day, however, the statement is made upon the best possible authority that Jones killed four of the deputies.

He was tried and sentenced to 50 years in the penitentiary. With the exception of Emmett Dalton, Jones today is the only survivor of the Doolin-Dalton outlaw organization in Oklahoma.

Oh!  
You Good Housewife  
Cut Out This Coupon and Mail It Now

We will tell you how we send you a complete set of Oneida Community Par Plate Silverware FREE with SKINNER'S Macaroni Products

Guaranteed ten years. Bridal Wreath pattern. Learn all about this grand offer and about the

Send Coupon for Full Information  
Let us tell you how you can secure a complete set of Oneida Community Par Plate Silverware with Skinner's Products. In the meantime save the trade-mark from packages. Cheaper to buy Skinner's by the case—24 packages. All good grocers sell Skinner's Macaroni Products.

Nine Kinds of Macaroni Products  
Macaroni Spaghetti Cut Spaghetti  
Egg Noodles Elbows  
Cut Macaroni Soup Rings  
Vermicelli Alphabetos

Skinner Manufacturing Co.  
The Largest Macaroni Factory in America  
Dept. E Omaha, Neb.



When the rug curls up it can be made to lie flat by making it very damp on the under side.

**WOMAN'S CROWNING GLORY**  
is her hair. If yours is streaked with ugly, grizzly, gray hairs, use "La Creole" Hair Dressing and change it in the natural way. Price \$1.00.—Adv.

**Thoughtless.**  
"Didn't the fire spoil your party?"  
"Oh! dreadfully. Not one of the firemen was in evening dress."

**SALTS IF BACKACHE OR KIDNEYS TROUBLE YOU**

Eat Less Meat If Your Kidneys Aren't Acting Right or If Back Hurts or Bladder Bothers You.

When you wake up with backache and dull misery in the kidney region it generally means you have been eating too much meat, says a well-known authority. Meat forms uric acid which overworks the kidneys in their effort to filter it from the blood and they become sort of paralyzed and loggy. When your kidneys get sluggish and clog you must relieve them like you relieve your bowels; removing all the body's urinous waste, else you have backache, sick headache, dizzy spells; your stomach sours, tongue is coated, and when the weather is bad you have rheumatic twinges. The urine is cloudy, full of sediment, channels often get sore, water acids and you are obliged to seek relief two or three times during the night.

Either consult a good, reliable physician at once or get from your pharmacist about four ounces of Jad Salts; take a tablespoonful in a glass of water before breakfast for a few days and your kidneys will then act fine. This famous salt is made from the acid of grapes and lemon juice, combined with lithia, and has been used for generations to clean and stimulate sluggish kidneys, also to neutralize acids in the urine so it no longer irritates, thus ending bladder weakness.

Jad Salts is a life saver for regular meat eaters. It is inexpensive, cannot injure and makes a delightful, effervescent lithia-water drink.—Adv.

It's a poor rule that won't work both ways. Some people don't believe half they hear, and some don't hear half they believe.

## To Fortify the System

**Against Winter Cold**  
Many users of GROVE'S TASTELESS CHILL TONIC make it a practice to take a number of bottles in the fall to strengthen and fortify the system against the cold weather during the winter. Everyone knows the tonic effect of Quinine and iron which this preparation contains in a tasteful and acceptable form. It purifies and enriches the blood and builds up the whole system. 50c.

## The Best Excuse.

**Brown—**Ignorance of the law excuses no one.  
**Smith—**Quite so. It is much better to be rich and hire good lawyers.

**IMITATION IS SINCEREST FLATTERY**  
but like counterfeit money the imitation has not the worth of the original. Insist on "La Creole" Hair Dressing—it is the original. Darkens your hair in the natural way, but contains no dye. Price \$1.00.—Adv.

When a man begins to repeat the smart sayings of his baby his acquaintances begin to question his veracity.

Shinner Mfg. Co. Dept. E. Omaha, Neb.  
Please send me full information how I can obtain Oneida Community Par Plate Silverware by using the trade-mark signature from Skinner's Macaroni Products.

Name \_\_\_\_\_  
Address \_\_\_\_\_

How much the baby looks like his father?  
"It's only the weather. The child is usually bright, cheerful and handsome."

**How Pretty and White!**



**The Sweetest Thing on Earth is a Clean Baby in Dainty White Dresses**

These dainty white dresses are very tender—the wash is hard on them and you feel like putting baby in heavier clothes. Don't do it. Roll baby's clothes clean. The daintiest bit of lace, of flannel, of cotton, of silk, can be boiled clean if you use Magic Washing Stick. You do not rub them on the board or put them in the machine or tear them up in any way.

Yes, you can boil baby's clothes—flannels and all—in perfect safety. You can cleanse by boiling and rinsing only. No matter what your washwoman says, we say you can; and if we can prove it you will never put heavy colored clothes on the sweet little ones—because you can clean a dozen, or two, or two dozen dresses, as easily as ones without a rub, without any wear or tear.

## Magic Washing Stick

Does all this and more. Simply put one-fifth of a stick in the boiler with the soap and proceed to boil clean. If the finest, cob-weby texture is damaged as a result we will furnish you new clothes all the balance of your days.

Wash Days Are Made Joy Days

**FIFTEEN WASHINGS 25 CTS.**  
For less than 25c. a day you save two hours time, you save your clothes, you save your feelings, you save your looks. Use one stick, five washings, and you have saved your 25c. WILL BE RETURNED.

Magic Washing Stick contains no lye, no alkali, no harmful thing of any kind. Use it—keep baby in white. It's easy if you use Magic Washing Stick.

Sold by all Druggists and Grocers everywhere. If yours doesn't handle it, send him this ad—he'll get it for you. Or send 25c in stamps to A. R. KILPATRICK CO., German, Texas.

DISTRIBUTORS

Kroeger-Amos-James Grocer Co.  
St. Louis, Mo.

## Special Automobile Bargains

Just As They Stand, '15

Quick delivery wagon, 4-cyl., 1100 1100  
Hupmobile six-cylinder, 4-cyl., 1100 1100  
Mitchell truck, 4-cyl., 1100 1100  
Mitchell, 4-cyl., 5-pass., 1100 1100  
Hupmobile coupe, 1100 1100  
Mitchell, 4-cyl., 1100 1100  
Buick, 4-cyl., 1100 1100  
Buick, 4-cyl., 1100 1100  
Locomobile, 4-cyl., 5-pass., 1100 1100  
Buick, 4-cyl., 1100 1100  
Moon, 4-cyl., 1100 1100  
Stinson-Dwight, 4-cyl., 5-pass., 1100 1100  
Hupmobile, 4-cyl., 1100 1100  
Mitchell, 4-cyl., 5-pass., 1100 1100  
Columbia, 4-cyl., 1100 1100  
WHEAT, 4-cyl., 1100 1100  
WHEAT, 4-cyl., 1100 1100

## Every Fowl a Money Maker

Did you read about the man that gave some chickens away and tied 25 cents on their legs and came out ahead? Put on all to work—these chickens can be a chicken on the place that isn't earning money—25c. per head. Buy Free Book, "Tells of Chickens, Turkeys, Geese, Ducks, and Poultry and How to Profit from Them." Henry Steinhilber, Pres., 27 N. 4th St. St. Louis, Mo.

**FOR SALE** Several fine stock ranches; stock in a specialty. Address W. G. Logan, Douglas, Wyo.

W. N. U., ST. LOUIS, MO., NO. 4-1916.

## The Wheat Yield Tells the Story of Western Canada's Rapid Progress

The heavy crops in Western Canada have caused new records to be made in the handling of grains by railroads. For, while the movement of these heavy shipments has been wonderfully rapid, the resources of the different roads, despite enlarged equipments and increased facilities, have been strained as never before, and previous records have thus been broken in all directions.

The largest Canadian wheat shipments through New York ever known are reported for the period up to October 15th, upwards of four and a quarter million bushels being exported in less than six weeks, and this was but the overflow of shipments to Montreal, through which point shipments were much larger than to New York.

Yields as high as 60 bushels of wheat per acre are reported from all parts of the country; while yields of 45 bushels per acre are common. Thousands of American farmers have taken part in this wonderful production. Land prices are still low and free homestead lands are easily secured in good localities, convenient to churches, schools, markets, railways, etc.

There is no